according to the earphone type used, provided with: a telephone set main body unit, a detection device for detecting which type of earphone is mounted to the telephone set main body unit, an amplifier for amplifying the ambient sound to be delivered to the earphone, and a control device for controlling a signal level of the ambient sound output from the amplifier according to an output of the detection device. When either of these earphones is mounted, the control device controls the signal level of the ambient sound output from the amplifier to be fed back according to an output of the detection device.--

IN THE CLAIMS

Please amend claims 1-11 by rewriting same to read as follows:

--1. (Amended) A handheld telephone set used by connecting an earphone, comprising:

a telephone set main body unit;

detecting means for detecting which of a dual-ear mount type earphone and a single-ear mount type earphone is mounted to said telephone set main body unit;

an amplifier for amplifying an ambient sound and delivering said sound to said earphone; and

a control device for adjusting a signal level of said ambient sound output from said amplifier according to an output of said detecting means.

--2. (Amended) The handheld telephone set as claimed in claim 1, wherein when said dual-ear mount type earphone is mounted to said telephone set main body unit a gain of said amplifier is increased to increase said signal level of said sound output from said amplifier, and when said single-ear mount type earphone is mounted to said telephone set main body unit said gain of said amplifier is reduced to decrease said signal level of said sound output from said amplifier.

--3. (Amended) The handheld telephone set as claimed in claim 1, wherein when said dual-ear mount type earphone is mounted to said telephone set main body unit said control device controls a gain of said amplifier by feedback according to an analog audio signal delivered to said earphone.

--4. (Amended) The handheld telephone set as claimed in claim 1, wherein when said single-ear mount type earphone is mounted to said telephone set main body unit said control device fixes a gain of said amplifier according to an output of said detection means.

--5. (Amended) The handheld telephone set as claimed in claim 1, wherein said amplifier superposes a digital signal on a digital audio signal according to said ambient sound.

--6. (Amended) The handheld telephone set as claimed in claim 1, wherein said amplifier superposes an analog signal on

an analog audio signal according to said ambient sound.

--7. (Amended) The handheld telephone set as claimed in claim 1, wherein said ambient sound is acquired by a microphone.

--8. (Amended) An audio processing method performed in a handheld telephone set used by connecting an earphone to a telephone set main body unit, comprising the steps of: detecting which of a dual-ear mount type earphone and a single-ear mount type earphone is mounted to said telephone set main body unit; and adjusting a signal level of an ambient sound according to said earphone type when said ambient sound is superposed on said earphone.

--9. (Amended) The audio processing method as claimed in claim 8, wherein when said dual-ear mount type earphone is mounted to said telephone set main body unit said signal level of said ambient sound is increased, and when said single-ear mount type earphone is mounted to said telephone set main body unit said signal level of said ambient sound is decreased.

--10. (Amended) The audio processing method as claimed in claim 8, wherein when said dual-ear mount type earphone is mounted to said telephone set main body unit said signal level of said ambient sound is controlled by feedback according to an analog audio signal delivered to said earphone.